



SWARNANDHRA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by A.I.C.T.E. Affiliated to J.N.T. U, K, accredited by NAAC with A grade
NARSAPUR, W.G.Dist., Andhra Pradesh - 534 280

Department of Electronics & Communication Engineering

MID –I Question Bank

Name of the Faculty: BALA KRISHNA. BATTA
Dept : ECE

Sub: WWD
Class: III ECE

SET - 1

1. Write a note on Radiation Patterns, Main Lobe, Side Lobes and minor lobes.
2. Derive field pattern of N element Uniform Linear Arrays – Broadside
3. Explain with example 2 element End Fire arrays

SET - 2

1. Write a note on Beam width, Polarization, Beam Area, Effective Height.
2. Explain with example 2 element Broadside arrays
3. Explain about Yagi-Uda Antenna and Draw the 6 element antenna

SET - 3

1. Write a note on Radiation Intensity, Beam Efficiency, Directivity, Patterns in Principal Planes
2. Write a note on Gain, Resolution, Antenna Apertures, Aperture Efficiency
3. Derive field pattern of N element Uniform Linear Arrays –End fire Arrays

Faculty

Verified

Approved